

# Be more Mathematical

## Vocabulary Progression Grid

Only newly introduced vocabulary follows on from EYFS

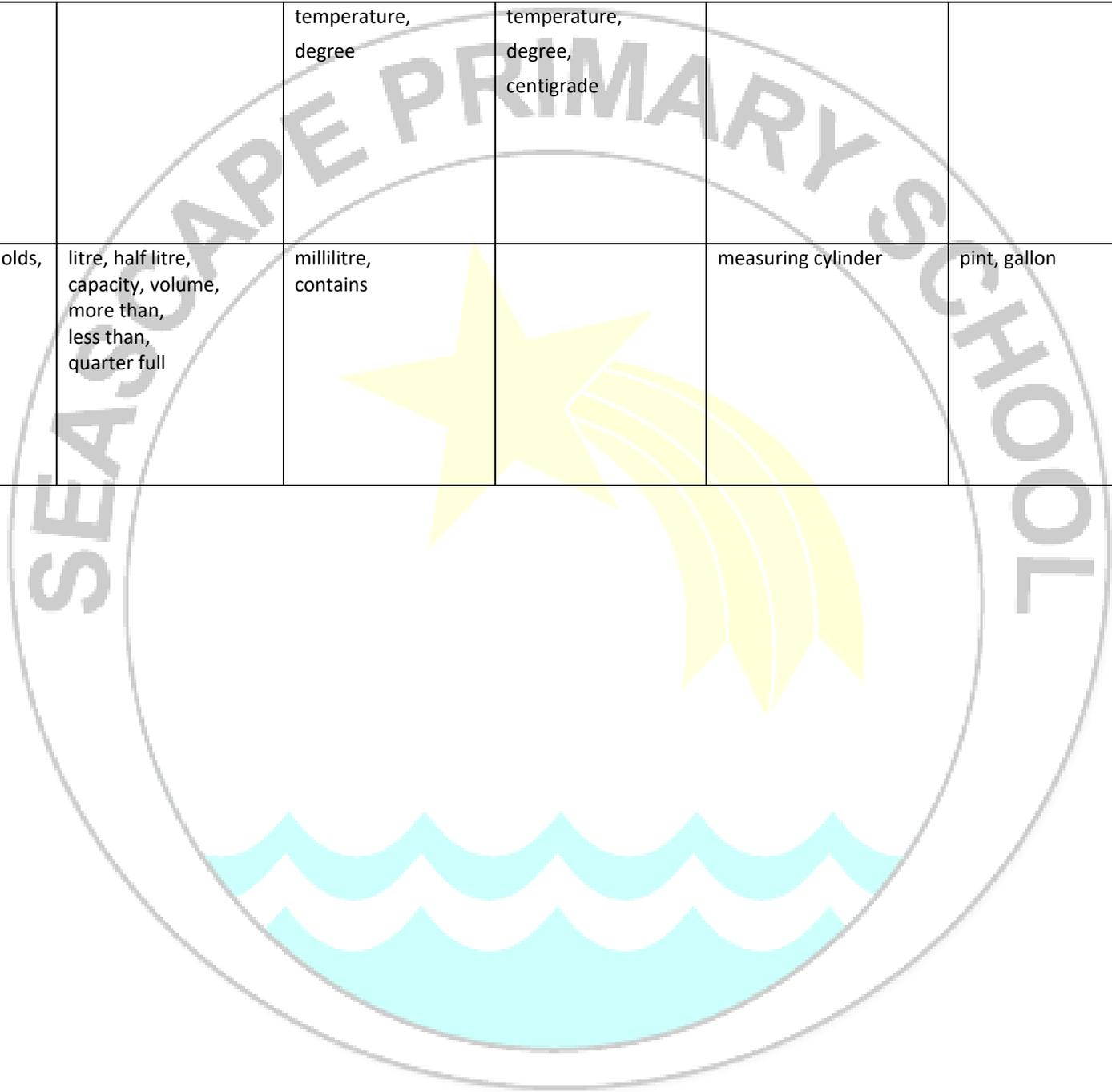
	Early Years	Y1	Y2	Y3	Y4	Y5	Y6
Number	Count from zero number one, two, three ... to twenty and beyond teens numbers, eleven, twelve ... twenty none how many ...? count, count (up) to, count on (from, to), count back (from, to) count in ones, twos, fives, tens is the same as, more, less, odd, even, few, pattern, pair	Numeral, count from twenty-one, twenty-two ... one hundred, forwards, backwards, equal to, equivalent to, most, least, many, multiple of	Count from two hundred ... one thousand, count in threes, sequence, continue, predict, > greater than < less than	Count in fours, eights, fifties and so on to hundreds factor of, relationship roman numerals	Count from ten thousand, hundred thousand, million count in sixes, sevens, nines and twenty fives, next, consecutive, integer, positive, negative, above/below zero, minus negative numbers	Factor pair, $\geq$ greater than or equal to $\leq$ less than or equal to formula, divisibility, square number, prime number, ascending/descending order	factorise, prime factor, digit total
Place Value	Ones, tens digit, the same number as, as many as more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth last, last but one before, after, next, between	Equal to half-way between, above, below	hundreds digit one-, two- or three-digit number place, place value, stands for, represents, exchange, twenty-first, twenty-second ...	one hundred less, one hundred more	one thousand more, one thousand less		

Estimating	guess how many ...? estimate, nearly close to, about the same as, just over, just under, too many, too few enough, not enough	roughly	exact, exactly	approximate, approximately, round, nearest, round to the nearest ten, hundred round up, round down	thousand	ten thousand	
Addition & Subtraction	add, more, and, make, sum, total, altogether, double, one more, two more ... ten more, how many more to make ...? how many more is ... than ...? how much more is ...? take away, how many are left/left over? how many have gone? one less, two less, ten less ... how many fewer is ... than ...? how much less is ...? Difference, between	addition, near double, half, halve, subtract, equals is the same as, number bonds/pairs, missing number	one hundred more, one hundred less, facts, tens boundary	hundreds boundary	Inverse	ones boundary, tenths boundary	

Multiplication & Division	Sharing, doubling, halving, number patterns	Multiplication, multiply, multiplied by, multiple, division, dividing, grouping, array	groups of, times, once, twice, three times ... ten times repeated addition, divide, divided by, divided into, share, share equally, left, left over, one each, two each, three each ... ten each group in pairs, threes ... tens equal groups of, row, column, multiplication table, multiplication fact, division fact	factor, product, Remainder	Inverse, square, squared cube, cubed		
Fractions	parts of a whole, half, quarter	Fraction, equal part, equal grouping, equal sharing, one of two equal parts, one of four equal parts	equivalent fraction, mixed number, numerator, denominator, two halves, two quarters, three quarters one third, two thirds one of three equal parts	sixths, sevenths, eighths, tenths	<b>(including decimals)</b> hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion	<b>(including decimals and percentages)</b> proper/improper fraction, equivalent, reduced to, cancel thousandths in every, for every percentage, per cent, %	<b>(including decimals, percentages, ratio and proportion)</b>  ratio

Algebra							Formulae, equation, unknown, variable
Measurement	measure, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, just over, just under	measurement, roughly	measuring scale	division, approximately	unit, standard unit, metric unit	imperial unit	
Length	metre, length, height, width, depth, long, short, tall, high, low, wide, narrow thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, near, close	centimetre, ruler, metre	further, furthest, tape measure	millilitre, kilometre, mile, distance apart ... between ... to ... from, perimeter	breadth, edge, area, covers, square centimetre (cm <sup>2</sup> )	square metre (m <sup>2</sup> ), square millimetre (mm <sup>2</sup> )	yard, foot, feet, inch, inches, circumference
Weight	weigh, weighs, balances heavy, light, heavier than, lighter than, heaviest, lightest, scales	kilogram, half kilogram	gram		mass: big, bigger, small, smaller weight: heavy/light, heavier/lighter, heaviest/lightest		tonne, pound, ounce

Temperature			temperature, degree	temperature, degree, centigrade		
Capacity & Volume	full, empty, half full, holds, container	litre, half litre, capacity, volume, more than, less than, quarter full	millilitre, contains		measuring cylinder	pint, gallon  centilitre, cubic centimetres(cm <sup>3</sup> ), cubic metres (m <sup>3</sup> ), cubic millimetres (mm <sup>3</sup> ), cubic kilometres (km <sup>3</sup> )



Time	<p>time, days of the week, Monday, Tuesday ... day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after next, last, now, soon, early, late, quick, quicker, quickest, quickly slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, hour, o'clock, clock, watch, hands</p>	<p>months of the year (January, February ...) seasons: spring, summer, autumn, winter, weekend, month, year, earlier, later, first, midnight, date, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually once, twice, half past, quarter past, quarter to, clock face, hour hand, minute, hand hours, minutes</p>	<p>fortnight 5, 10, 15 ... minutes past digital/analogue, clock/watch, timer, seconds</p>	<p>century, calendar, earliest, latest, a.m., p.m. roman numerals  12-hour clock time, 24-hour clock time</p>	<p>millennium, leap year, noon, date of birth, timetable, arrive, depart</p>		<p>Greenwich Mean Time, British Summer Time, International Date Line</p>
Money	<p>money, coin, penny, pence, pound, price, cost, buy, sell spend, spent, pay</p>	<p>Change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? total</p>	<p>bought, sold</p>			<p>discount, currency</p>	<p>profit, Loss</p>

Properties of Shape	shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetrical, repeating pattern, match	symmetry, symmetrical pattern	surface, line of symmetry	perimeter	line, construct, sketch, centre, angle, right-angled base, square-based reflect, reflection, regular, irregular	radius, diameter, congruent, axis of symmetry, reflective symmetry	circumference, concentric, arc net, open, closed, intersecting, intersection, plane
2D Shape	corner, side, rectangle (including square) circle, triangle	point, pointed, vertex, vertices	rectangular, circular, triangular, pentagon, hexagon, octagon	pentagonal, hexagonal, octagonal, quadrilateral, right-angled, parallel, perpendicular	2-D, two-dimensional, oblong, rectilinear, equilateral triangle, isosceles triangle, scalene triangle, parallelogram, rhombus, trapezium, polygon	x-axis, y-axis, quadrant	kite
3D Shape	face, edge, vertex, vertices, cube, pyramid, sphere, cone	cuboid, cylinder		hemisphere, prism, triangular prism	3-D, three-dimensional, spherical, cylindrical, tetrahedron, polyhedron	octahedron	dodecahedron, net, open, closed

Position & Direction	position, over, under, above, below, top, bottom, side, on, in, outside, inside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, corner, direction, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from, movement, slide, roll, turn, stretch, bend, whole turn, half turn	underneath, centre, journey, quarter turn, three-quarter turn	route, higher, lower, clockwise, anticlockwise, right angle, straight line	compass point, north, south, east, west, N, S, E, W, horizontal, vertical, diagonal, angle ... is a greater/smaller angle than, acute angle, obtuse angle	north-east, north-west, south-east, south-west, NE, NW, SE, SW, translate, translation, rotate, rotation, degree, reflection, ruler, set square, angle measurer, compass	coordinate, protractor	reflex angle
Statistics	count, sort group, set list	vote, table	label, title, most popular, most common, least popular, least common, graph, block graph, pictogram, represent, tally	chart, bar chart, frequency, table, carroll diagram, venn diagram, axis, axes, diagram	survey, questionnaire, data	database, bar, line, chart, line graph, maximum/minimum, value, outcome	pie chart, mean (mode, median, range as estimates for this), statistics, distribution